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REPORT NO. 10

Cotton Fiber and Processing Test Results

CROP of

1975



Agricultural Marketing Service
U.S. DEPARTMENT OF AGRICULTURE
Memphis, Tenn. 38122 January 2, 1976

These reports are published bi-weekly during the harvesting season and will be summarized in a comprehensive report at the end of the crop year. A detailed description of the tests shown in this report may be found in the summary report for the previous season. These reports are available on request from the Standardization Section, Cotton Division, Agricultural Marketing Service, U. S. Department of Agriculture, 4841 Summer Avenue, Memphis, TN 38122.

1/ Summary of Cotton Fiber and Processing Test Results, Crop of 1974, USDA, AMS, Cotton Division, May 1975.

COTTON FIBER AND PROCESSING TEST RESULTS, CROP OF 1975

Discussion of Test Results

Short staple cottons tested from the Southwest through December 26 this season are shorter and finer than a year earlier, according to the Cotton Division, Agricultural Marketing Service, USDA. Samples are slightly stronger at both zero and 1/8" gage tests. Yarns spun from these samples are stronger and have higher appearance grades. Yarn imperfections are lower than a year ago.

Results for all medium staple samples tested through December 26 show fiber characteristics to be about the same as last season. Picker and card waste is lower but yarn imperfections are higher. The average spinning potential yarn number is slightly lower than at the same time last season.

Southeastern medium staple samples are shorter and stronger at zero gage strength tests than a year ago. Shirley Analyzer nonlint content is a little higher. Yarns spun from these samples are weaker and have lower appearance grades. Yarn imperfections are higher than last season and the average spinning potential is lower.

South central medium staples tested thus far this season show fibers to be slightly coarser and stronger at zero gage strength. Picker and card waste is lower. Yarns have about the same strength and appearance grades as a year earlier. Yarn imperfections are slightly higher and the average spinning potential number is a little lower.

Southwestern medium staples have a lower mike than last season but the length and strength characteristics are about the same. Nonlint content is higher than a year ago. Picker and card waste, however, is lower. Yarn imperfections are higher.

Medium staple samples from the West have finer fibers and are a little stronger than a year earlier. Picker and card waste is lower. Yarn strength is up from last season. Yarn appearance grades are lower and imperfections are higher.

Average test results for all long staple samples show fibers to be shorter but stronger at zero gage tests than a year ago. Picker and card waste and comber waste are higher than last season. Yarns spun from these samples have about the same strength and appearance characteristics as a year earlier. Yarn imperfections are higher. The average spinning potential is lower.

Long staple samples from the Southeast are much shorter than last season. Fibers are a little coarser and are stronger at zero gage tests. Manufacturing waste is higher and yarn strength is weaker. Yarn appearance grades are higher than a year earlier. Average spinning potential is down from last season.

South central long staple samples tested to date have shorter fibers and are stronger at zero gage tests than a year ago. Yarns spun from these samples have higher yarn appearance grades than last season.

Long staple samples from the West are finer and stronger at zero gage than last season. Both picker and card waste and comber waste are higher than a year earlier. Yarns are stronger than last season but have slightly lower appearance grades. Yarn imperfections are higher than a year ago.

American Pima samples are longer and stronger than a year ago. Comber waste is higher. Other yarn qualities are about the same as last season.

Table 1.--Cotton:

Averages of fiber and processing tests from selected gin points in the United States
through December 26, 1975

Staple group Area, and Crop year	Lots tested	Fiber test results						Processing test results					
		Fibrograph		Mike fine- ness	Fiber strength		S A nonlint	P & C waste	Yarn quality			Spin. Potent.	
		2.5% span	50/2.5 unif.		Pct.	Rdg.			Mpsi	G/tex	Pct.		Skein str.
				Inches			Pct.	Rdg.				Lbs.	
		No.											
Short Staple:													
Southwest													
1974	29	.96	44	4.0	85	21	3.9	7.1	90	93	25	41	
1975	38	.94	45	3.8	86	22	3.7	6.7	97	112	17	41	
Medium Staple:													
Southeast													
1974	48	1.09	45	4.3	81	22	3.4	6.5	102	104	19	61	
1975	41	1.07	44	4.2	83	22	3.8	6.3	97	98	25	53	
South Central													
1974	122	1.10	44	4.1	83	23	3.1	6.3	105	103	18	63	
1975	113	1.10	45	4.3	85	23	3.2	5.6	105	101	21	59	
Southwest													
1974	40	1.07	44	4.1	84	22	3.1	6.3	101	89	22	58	
1975	31	1.06	43	3.8	83	22	3.5	5.9	102	88	31	56	
West													
1974	66	1.11	46	4.5	92	25	2.5	5.9	117	103	16	67	
1975	65	1.12	45	4.1	93	26	2.3	5.5	124	94	22	69	
U.S. Average													
1974	276	1.10	44	4.2	85	23	3.0	6.3	107	101	18	63	
1975	250	1.09	45	4.2	86	23	3.1	5.7	108	97	23	60	
Significant dif- ference $\frac{2}{2}$		0.02	2	0.2	2	1	0.5	0.5	4(22s)	5	2	3	

1/ Based on a limited number of samples of modal quality

2/ Minimum differences considered to be significant for comparisons in this table. These guides are based upon averages of a number of lots and are not applicable to individual samples.

Table 1.--Cotton: Averages of fiber and processing tests from selected gin points in the United States through December 26, 1975 1/ (Continued)

Staple group, Area, and Crop year	Lots	Fiber Test Results						Processing Test Results								SPY		
		Length		Mike	Strength		SA Non- lint	P&C Waste	Comber Waste	Yarn Quality								
		Span	Unif		Zero gage	1/8" gage				Strength carded	Appearance carded	Imprfctns card	No.					
														No.	Indx		Indx	No.
<u>22s Carded & Combed Yarn</u>																		
Long Staple: Southeast 1974 1975	14	1.15	43	4.0	82	23	3.8	8.5	17.3	105	123	105	113	20	8	67		
	17	1.09	43	4.2	85	23	3.7	9.6	18.8	91	115	110	119	20	10	54		
South Central 1974 1975	6	1.15	44	4.0	85	23	4.0	8.8	18.0	105	125	102	113	19	8	65		
	6	1.11	43	4.0	88	23	3.8	9.2	18.1	104	125	110	120	19	9	62		
West 1974 1975	10	1.16	45	3.7	92	26	2.6	7.1	14.9	128	148	95	106	21	10	90		
	12	1.16	45	3.4	95	26	2.5	7.9	15.9	138	158	89	102	30	16	87		
U.S. Average 1974 1975	30	1.15	44	3.9	86	24	3.5	8.1	16.6	113	132	101	111	20	9	74		
	35	1.12	44	3.9	89	24	3.3	9.0	17.6	109	132	103	113	23	12	67		
<u>50's Combed Yarn</u>																		
Extra Long Staple: West 1974 1975	<u>Array</u>										<u>American Pima</u>							
	11	1.45	31	3.6	100	32	2.7	7.5	17.5	63			110		2			
	7	1.47	31	3.7	105	34	2.4	7.5	18.3	66			111		2			
Significant Difference <u>2/</u>	0.02	2	0.2	2	1	0.5	0.5	0.5	0.5	4(22s)	5	5	2	2	2	3		
										4(22s)	2(50s)							

1/ Based on a limited number of samples of modal quality

2/ Minimum differences considered to be significant for comparisons in this table. These guides are based upon averages of a number of lots and are not applicable to individual samples.

Table 2 --Cotton, American upland short staple: Quality characteristics by production areas, crop of 1975

Production Area, Classification & Sample Number				Fiber Test Results										Processing Test Results - Carded Yarns											
No	Grade	Name & Code	Stple 32s	Digital Fibrograph		Mike	Fiber Strength		Elon- gation 1/8"	S.A. Non- lint	Color		P & C Waste	Strength		Elongation		Appearance Index		Imprfct'ns		Spin. Poten- tial			
				2.5% span	Unif		Zero Gage	1/8" Gage			Mpsi	G/tex		Pct	Pct	Gr	Yel	Lbs	Lbs	Pct	Pct		8s or 74 tx	22sor 27 tx	8s or 74 tx
SOUTHWEST AREA																									
NCRTHWEST TEXAS																									
ANSON																									
1	LM	LT SP	52 1/2	32	0.99	46	3.5	78	21	7.6	4.1	2	4	7.4	315	103	8.2	7.1	120	100	45	25	46		
HART																									
3	SLM	LT SP	42	29	0.89	46	3.4	87	21	6.1	5.0	2	4	8.4 1/2	315	95	7.0	5.7	120	100	38	24	36		
KRESS																									
3	SLM	LT SP	42	29	0.94	44	3.0	87	23	6.1	4.1	2	4	7.6 1/2	288	91	7.8	6.3	120	100	46	26	37		
LOOP																									
2	MID	LT SP	32	29	0.86	45	3.8	84	20	6.1	2.6	1	3	7.1	275	84	6.2	5.4	130	110	26	15	26		
LOOP																									
2	SLM	LT SP	42	30	0.89	44	3.3	82	20	6.1	3.5	2	3	7.4	300	97	7.4	6.0	120	110	51	25	42		
LORENZO																									
2	SLM	LT SP	42	31	0.93	43	2.9	80	21	6.8	4.3	3	4	7.0	310	96	7.6	6.4	130	120	31	16	48		
OLNEY																									
1	MID	LT SP	32	32	1.00	46	4.0	83	22	6.4	3.0	1	3	5.1	309	100	7.7	5.9	130	120	20	14	48		
PADUCAH																									
1	SLM	LT SP	42	31	0.99	45	3.3	76	21	7.2	4.9	1	4	6.6	307	98	9.1	8.0	130	100	37	15	49		
PLAINVIEW																									
2	SLM	LT SP	42	29	0.87	45	3.1	81	20	6.5	7.4	2	4	7.6 1/2	290	92	7.5	6.8	130	120	33	16	36		
SILVERTON																									
2	SLV		41	30	0.87	47	3.7	83	20	6.7	5.4	1	3	6.6	285	89	7.0	5.5	120	110	32	14	36		
TULIA																									
2	SLM	LT SP	42	29	0.88	45	3.6	85	21	6.2	2.7	2	4	7.9 1/2	272	87	6.3	5.8	130	110	32	14	31		
3	SLM	LT SP	42	29	0.86	45	3.2	83	21	6.7	4.6	3	4	8.7 1/2	276	88	6.8	6.0	130	110	39	18	32		
OKLAHOMA																									
CORDELL																									
1	SLM	LT SP	42	31	0.94	45	3.8	83	21	6.6	4.3	3	4	7.0	309	99	7.9	7.2	130	120	27	14	47		

1/ Reduced from 42 because of bark
2/ Cotton stuck to processing rolls

Table 2 --Cotton, American upland short staple: Quality characteristics by production areas, crop of 1975--(Continued)

Production Area, Classification &				Fiber Test Results										Processing Test Results - Carded Yarns												
No	Grade	Style	32s	Digital Fibrograph		Mike	Fiber Strength		Elon-gat'n 1/8"	S.A. Non-lint		Color Raw Stock		P & C Waste	Strength		Elongation		Appearance Index		Imprfct's		Spin. Poten-tial			
				2.5% span	Unif		Zero Gage	1/8" Gage		Pct	G/tex	Pct	Rdg		Mpsi	8s or 74 tx	22sor 27 tx	8s or 74 tx	22s or 74 tx	Pct	Pct	No		No	No	No
Name & Code				In	Pct							No	No		Lbs	Lbs	Pct	Pct	No	No	No	No	No			

SOUTHWEST AREA

NEW MEXICO
PCTIALES
1 SLM LT SP 42 29 C.88 43 2.5 86 21 6.1 6.1 2 3 9.6 9.6 298 96 7.0 6.3 120 70 91 51 38

1/ Cotton stuck to processing rolls

Table 3 --Cotton, American upland medium staple: Quality characteristics by production areas, crop of 1975

Production Area, Classification & Sample Number				Fiber Test Results										Processing Test Results - Carded Yarns										
Sample Number		Grade	Stple	Digital Fibrograph		Mike	Fiber Strength		Elon- gat'n 1/8"	S.A. Non- Lint	Color Raw Stock		P & C Waste	Strength		Elongation		Appearance Index		Imprfect'ns		Spin. Potent- tial		
				2.5% span	Unif.		Zero Gage	1/8" Gage			Mpsi	G/tex		Pct	No	Yel	No	22s or 27 tx	50s or 12 tx	Pct	No		22s or 27 tx	50s or 12 tx
SOUTHEAST AREA																								
ALABAMA																								
MCNTGOMERY		41	34	1.08	44	4.3	82	22	7.1	3.1	2	2	5.8	82 PERCENT		103	33	6.4	4.7	110	90	16	13	57
PRATTVILLE																								
3 LM		51	35	1.10	43	3.7	89	24	5.9	3.3	2	2	6.8	100 PERCENT		114	40	6.3	4.6	90	70	24	19	69
GEORGIA																								
ROSTWICK		52	33	1.01	44	4.4	82	20	5.5	5.9	5	3	8.9	100 PERCENT		92	27	5.8	3.9	110	90	15	11	50
DONALSONVILLE																								
1 SLM LT SP		42	34	1.09	44	4.3	74	21	7.3	5.1	2	3	7.8	75 PERCENT		86	27	5.6	3.8	80	70	27	25	50
2 LM LT SP		52	34	1.10	43	4.2	78	21	6.7	5.6	3	3	8.5			98	33	5.8	4.2	90	70	33	25	57
NORMAN PARK																								
2 SLM		41	34	1.07	45	4.6	79	22	6.1	3.0	3	3	6.5	98 PERCENT		94	29	5.3	4.0	100	80	21	18	52
NCRTH CAROLINA																								
SHELBY		41	34	1.05	46	3.7	87	22	5.9	2.6	2	3	6.5	100 PERCENT		98	29	5.4	3.5	120	90	9	7	52
SOUTH CENTRAL AREA																								
ARKANSAS																								
WYNNE		42	34	1.10	44	4.2	82	22	7.8	3.8	3	3	7.2	100 PERCENT		108	35	6.5	4.7	100	90	17	13	63
LOUISIANA																								
SHREVEPORT		41	35	1.07	42	2.9	85	23	7.2	3.4	1	3	6.6	100 PERCENT		113	38	6.8	5.0	90	70	22	17	67
MISSISSIPPI																								
ARCOLA		41	35	1.11	43	4.1	84	22	7.5	3.2	2	2	5.1	100 PERCENT		111	37	6.7	5.0	110	90	8	8	68
INDIANOLA																								
3 LM		51	34	1.06	45	3.8	81	22	5.9	5.8	3	3	8.3	100 PERCENT		107	37	5.5	4.5	90	80	25	23	63
LYON																								
3 LM		51	34	1.09	42	3.6	81	20	5.9	4.5	4	2	8.4	100 PERCENT		103	32	6.0	4.0	100	70	26	20	56
ROBINSONVILLE																								
3 LM		51	34	1.03	43	3.6	81	22	7.2	3.3	3	2	7.1	100 PERCENT		100	34	6.3	4.7	90	80	25	18	57

Table 3 --Cotton, American upland medium staple: Quality characteristics by production areas, crop of 1975--(Continued)

Production Area, Classification & Sample Number				Fiber Test Results										Processing Test Results - Carded Yarns									
No	Grade	Name & Code	32s	Digital Fibrograph		Mike	Fiber Strength		Elon-gat'n 1/8"	S.A. Non-Lint	Color Raw Stock		P & C Waste	Strength		Elongation		Appearance Index		Imprfct'ns		Spin. Potent-ial	
				2.5% span	Unif.		Zero Gage	1/8" Gage			Mpsi	G/tex		Pct	Pct	22s or 27 tx	50s or 12 tx	22s or 27 tx	50s or 12 tx	22s or 27 tx	50s or 12 tx		22s or 27 tx
SOUTH CENTRAL AREA																							
SCOTT																							
3	SLM	41	35	1.12	44	4.1	88	24	6.4	2.6	2	2	7.3	112	37	6.5	4.6	100	70	19	18	63	
DELTA PINE 55																							
100 PERCENT																							
TRIBBETT																							
3	LM	51	34	1.08	43	4.2	88	22	5.0	3.9	4	2	7.2	99	28	5.3	3.7	110	90	12	12	51	
STONEVILLE 256																							
100 PERCENT																							
TENNESSEE																							
MILLINGTON																							
4	LM	51	34	1.06	45	4.0	80	22	6.9	4.9	4	2	7.7	97	29	5.8	4.0	110	90	21	17	57	
REX SMOOTHLEAF																							
95 PERCENT																							
SOUTHWEST AREA																							
NORTHWEST TEXAS																							
LUBBOCK	3	LM	51	33	1.04	38	2.8	92	23	5.6	4.3	1	3	8.52	109	33	5.9	4.2	70	60	39	35	51
COKER 312																							
100 PERCENT *																							
LUBBOCK	3	SLM	41	33	1.01	39	2.7	85	22	6.6	3.7	2	3	8.42	97	32	6.2	4.8	70	60	43	35	46
COKER 5110																							
100 PERCENT *																							
LUBBOCK	2	LM LT SP	52	32	1.03	41	2.5	88	25	6.0	6.2	3	3	11.12	115	38	6.2	4.7	70	60	31	30	61
DUNN 118																							
75 PERCENT																							
ROCKESVILLE																							
LUBBOCK	41	32	0.97	42	2.5	85	22	6.5	3.2	1	3	6.62	106	33	6.4	4.3	70	60	40	35	3/		
2	SLM LT SP	42	32	0.98	41	2.5	84	22	6.4	3.8	1	3	8.62	101	32	6.4	4.4	60	60	49	49	3/	

* 100 percent selected for tests, less than 100 percent in the area

1/ Reduced from 41 because of bark

2/ Cotton stuck to processing rolls

3/ Insufficient cotton to run SPY tests

Table 3 --Cotton, American upland medium staple: Quality characteristics by production areas, crop of 1975--(Continued)

Production Area, Classification & Sample Number				Fiber Test Results										Processing Test Results - Carded Yarns									
No	Grade	Stple	32s	Digital Fibrograph		Mike	Fiber Strength		Elon-gat'n 1/8"	S.A. Non-Lint		Color Raw Stock		P & C Waste	Strength		Elongation		Appearance Index		Imprfect'ns		Spin. Potent-ial
				2.5% span	Unif.		Zero Gage	1/8" Gage		Pct	No	Gra	Yel		Pct	Lbs	22s or 27 tx	50s or 12 tx	Pct	22s or 27 tx	50s or 12 tx	22s or 27 tx	
						In			Pct					Mpsi									
WEST AREA																							
ARIZONA																							
BUCKEYE																							
3 MID		31	35	1.10	43	3.6	90	24	6.8	1.9	0	2	6.5	111	37	6.1	4.4	100	80	18	13	56	
ELOY																							
3 MID LT SP		32	34	1.09	41	3.2	84	23	6.5	2.6	2	4	5.8	104	35	6.3	4.8	100	70	18	16	57	
MARICOPA																							
2 MID		31	35	1.13	44	4.5	84	24	7.1	2.6	0	3	6.0	106	36	5.8	4.7	100	70	17	16	56	
CALIFORNIA																							
CANTUA CREEK																							
3 SLM PLUS		40	35	1.13	46	3.5	92	26	6.9	1.8	0	2	7.8	125	50	5.8	4.7	70	60	29	22	72	
DCS PALOS																							
3 SLM		41	36	1.15	46	3.5	98	28	5.9	2.8	1	2	6.6	140	51	6.0	4.7	100	80	20	14	82	
HURON																							
3 SLM PLUS		40	35	1.14	45	4.1	95	28	5.8	2.5	1	3	6.7	128	46	5.8	4.8	110	80	18	14	70	
LEMOORE																							
3 SLM PLUS		40	35	1.14	45	4.2	95	28	6.1	1.8	0	3	6.1	132	49	5.6	5.0	100	80	13	10	78	
ORANGE COVE																							
2 MID		31	36	1.12	46	3.7	97	26	6.0	2.0	0	3	5.4	133	47	6.1	4.8	90	80	16	15	73	
3 SLM PLUS		40	36	1.15	45	3.2	92	26	6.1	2.6	0	2	7.2	129	49	6.0	4.9	80	60	27	20	76	
STRAITFORD																							
3 SLM		41	35	1.12	47	3.8	91	26	6.4	2.8	2	3	5.5	136	51	6.3	5.5	100	80	16	10	89	
TRANQUILITY																							
3 SLM		41	35	1.08	43	3.4	95	25	5.8	1.7	2	3	7.1	128	44	6.3	4.7	80	70	22	18	75	
VISALIA																							
3 SLM PLUS		40	35	1.14	46	3.8	92	28	5.9	1.8	1	2	6.7	132	48	6.3	4.7	80	70	21	15	76	
WESTMORLAND																							
2 MID		31	35	1.09	45	3.3	89	24	6.0	1.7	0	2	4.6	114	38	6.0	4.3	110	90	14	10	56	

* 100 percent selected for tests, less than 100 percent in the area

Table 4 --Cotton, American upland long staple: Quality characteristics by production areas, crop of 1975

Production Area, Classification & Sample Number				Fiber Test Results										Processing Test Results - Carded Yarns									
Sample Number		Grade	Stple	Digital Fibrograph		Mike	Fiber Strength		Elon-gat'n 1/8"	S.A. Non-Lint	Color Raw Stock		P & C Comber Waste	Strength		Elongation		Appearance Index		Imperf'ns		Spin. Potential	
				2.5% span	Unif.		Zero Gage	1/8" Gage			Gra	Yel		22s or 27 tx	50s or 12 tx	22s or 27 tx	50s or 12 tx	22s or 27 tx	50s or 12 tx	22s or 27 tx	50s or 12 tx		
No	Name & Code		32s	In	Pct	Rdg	Mpsi	G/tex	Pct	Pct	No	No	Pct	Lbs	Lbs	Pct	Pct	No	No	No	No	No	
SOUTHEAST AREA																							
ALABAMA																							
GERALCINE																							
2 LM	51	33	1.03	42	3.7	82	21	7.1	3.7	2	3	9.5	100 PERCENT	97	28	5.4	4.4	110	90	12	10	55	
												*	19.3	116	41	6.0	4.7	130	110	7	5		
GEORGIA																							
COMER																							
2 LM	51	34	1.08	44	4.4	81	23	6.3	3.6	4	3	9.2	100 PERCENT	91	27	5.1	3.7	130	90	11	9	53	
												*	18.6	117	42	5.6	4.6	130	100	6	6		
3 LM LT SP	52	34	1.09	45	4.5	87	23	6.3	3.2	4	3	8.9		93	30	4.8	3.6	130	90	14	9	55	
												*	18.7	110	42	5.4	4.4	130	110	7	3		
MADISON																							
3 SLM LT SP	42	34	1.07	42	4.3	85	22	6.2	5.4	4	3	10.6	100 PERCENT	83	25	4.8	3.5	110	90	18	15	50	
												*	20.9	109	39	5.2	4.3	120	100	8	6		
WEST AREA																							
NEW MEXICO																							
ARTESIA																							
3 MID	31	36	1.17	44	3.0	93	27	6.0	2.5	0	2	8.0	97 PERCENT	136	51	5.9	5.1	70	60	43	26	89	
												*	17.1	157	61	6.4	5.4	80	70	24	20		
ARTESIA																							
3 MID	31	36	1.11	43	2.8	92	25	5.6	2.8	0	2	8.9	80 PERCENT	131	49	6.0	4.9	80	60	26	24	50	
												*	18.6	155	60	6.4	5.4	90	70	20	15		
TULARCOSA																							
1 LM PLUS	50	37	1.18	45	3.4	93	26	6.3	5.6	1	2	10.4	100 PERCENT	139	52	6.5	5.4	70	60	52	44	91	
												*	16.1	157	61	6.7	5.7	90	70	27	21		

* Comber Waste and Combed Yarn Data

Table 5 --Cotton, American Pima extra long staple: Quality characteristics by production areas, crop of 1975

Production Area, Classification &				Fiber Test Results										Processing Test Results - Combed Yarns											
Sample Number		Array Length		Mike		Fiber Strength		Elon- gat'n		S.A. Non- Lint		Color Raw Stock		P & C Waste		Comber Waste		Strength		Elongation		Appearance Index		Imprfect'ns	
No	Grade	UqL	CV			Zero	1/8" Gage					Gra	Yel					50s or 12 tx	80s or 7 tx	50s or 12 tx	80s or 7 tx	50s or 12 tx	80s or 7 tx	50s or 12 tx	80s or 7 tx
Name & Code		32s	In	Pct	Rdg	Mpsi	G/tex	Pct	Pct	No	No	No	No	Pct	Pct	Lbs	Lbs	Pct	Pct	No	No	No	No	No	No
WEST AREA																									
ARIZONA																									
2	PCWIE	3	44	1.45	32	3.6	105	PIMA S-4	33	7.7	2.0	4	5	8.5	18.1	93 PERCENT	66	35	5.5	4.8	110	120	1	2	
PECRIA																									
1		3	44	1.50	30	3.9	111	PIMA S-4	34	6.8	3.4	3	5	6.8	16.9	100 PERCENT	74	36	5.5	4.6	110	120	1	1	
NEW MEXICO																									
2	LAS CRUCES	3	44	1.48	31	3.4	106	PIMA S-4	32	7.6	2.4	3	5	7.2	21.5	81 PERCENT	64	35	5.3	4.4	110	120	2	1	
WEST TEXAS																									
2	EL PASO	3	44	1.43	32	3.2	104	PIMA S-4	35	6.6	2.0	4	5	7.4	18.7	99 PERCENT	67	33	5.3	4.2	110	110	2	3	